

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **45** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

**Results Key:**

**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**1 Upper bounds for approximation of continuous-time dynamics using delayed outputs and feedforward neural networks**

*Lavretsky, E.; Hovakimyan, N.; Calise, A.J.;*

Automatic Control, IEEE Transactions on , Volume: 48 , Issue: 9 , Sept. 2003  
Pages:1606 - 1610

[Abstract] [PDF Full-Text (308KB)] IEEE JNL

**2 A novel error observer-based adaptive output feedback approach for control of uncertain systems**

*Hovakimyan, N.; Nardi, F.; Calise, A.J.;*

Automatic Control, IEEE Transactions on , Volume: 47 , Issue: 8 , Aug. 2002  
Pages:1310 - 1314

[Abstract] [PDF Full-Text (292KB)] IEEE JNL

**3 Adaptive nonlinear control of agile antiair missiles using neural networks**

*McFarland, M.B.; Calise, A.J.;*

Control Systems Technology, IEEE Transactions on , Volume: 8 , Issue: 5 , Sept. 2000  
Pages:749 - 756

[Abstract] [PDF Full-Text (172KB)] IEEE JNL

**4 Nonlinear adaptive flight control using neural networks**

*Calise, A.J.; Rysdyk, R.T.;*

Control Systems Magazine, IEEE , Volume: 18 , Issue: 6 , Dec. 1998  
Pages:14 - 25

[Abstract] [PDF Full-Text (1936KB)] IEEE JNL

**5 Neural networks in nonlinear aircraft flight control**

*Calise, A.J.;*

Aerospace and Electronic Systems Magazine, IEEE , Volume: 11 , Issue: 7 , July 1996  
Pages:5 - 10

[Abstract] [PDF Full-Text (540KB)] IEEE JNL

**6 Active vibration control using fixed order dynamic compensation with frequency shaped cost functionals**

*Prasad, J.V.R.; Calise, A.J.; Byrns, E.V., Jr.;*

Control Systems Magazine, IEEE ,Volume: 11 , Issue: 3 , April 1991

Pages:71 - 78

[\[Abstract\]](#) [\[PDF Full-Text \(572KB\)\]](#) IEEE JNL

---

**7 Design of optimal output feedback compensators in two-time scale systems**

*Calise, A.J.; Prasad, J.V.R.; Siciliano, B.;*

Automatic Control, IEEE Transactions on ,Volume: 35 , Issue: 4 , April 1990

Pages:488 - 492

[\[Abstract\]](#) [\[PDF Full-Text \(464KB\)\]](#) IEEE JNL

---

**8 Near-optimal output feedback regulation of ill-conditioned linear systems**

*Moerder, D.D.; Calise, A.J.;*

Automatic Control, IEEE Transactions on ,Volume: 33 , Issue: 5 , May 1988

Pages:463 - 466

[\[Abstract\]](#) [\[PDF Full-Text \(304KB\)\]](#) IEEE JNL

---

**9 Robust adaptive nonlinear control using single hidden layer neural networks**

*Nardi, F.; Calise, A.J.;*

Decision and Control, 2000. Proceedings of the 39th IEEE Conference on ,Volume: 4 , 12-15 Dec. 2000

Pages:3825 - 3830 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(420KB\)\]](#) IEEE CNF

---

**10 Neural network augmentation of linear controllers with application to underwater vehicles**

*Campa, G.; Sharma, M.; Calise, A.J.; Innocenti, M.;*

American Control Conference, 2000. Proceedings of the 2000 ,Volume: 1 , Issue: 6 , 28-30 June 2000

Pages:75 - 79 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(344KB\)\]](#) IEEE CNF

---

**11 Robust adaptive control of uncertain nonlinear systems using neural networks**

*McFarland, M.B.; Calise, A.J.;*

American Control Conference, 1997. Proceedings of the 1997 ,Volume: 3 , 4-6 June 1997

Pages:1996 - 2000 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(372KB\)\]](#) IEEE CNF

---

**12 Output feedback control of an uncertain system using an adaptive observer**

*Bong-Jun Yang; Hovakimyan, N.; Calise, A.J.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on ,Volume: 2 , Dec. 9-12, 2003

Pages:1705 - 1710

[\[Abstract\]](#) [\[PDF Full-Text \(431KB\)\]](#) IEEE CNF

---

**13 Decentralized adaptive output feedback control via input/output inversion**

*Hovakimyan, N.; Lavretsky, E.; Calise, A.J.; Sattigeri, R.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on , Volume: 2 , Dec. 9-12, 2003

Pages:1699 - 1704

[\[Abstract\]](#) [\[PDF Full-Text \(413KB\)\]](#) IEEE CNF

---

**14 Adaptive output feedback control with reduced sensitivity to sensor noise**

*Kutay, A.T.; Calise, A.J.; Hovakimyan, N.;*

American Control Conference, 2003. Proceedings of the 2003 , Volume: 6 , 4-6 June 2003

Pages:5141 - 5146 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(458KB\)\]](#) IEEE CNF

---

**15 Extending linear designs to nonlinear systems via adaptive architectures**

*Hovakimyan, N.; Calise, A.J.;*

American Control Conference, 2003. Proceedings of the 2003 , Volume: 1 , 4-6 June 2003

Pages:555 - 560 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(474KB\)\]](#) IEEE CNF

---

[1](#) [2](#) [3](#) [Next](#)

---



**IEEE Xplore®**  
RELEASE 1.7

Welcome  
United States Patent and Trademark Office



» Search Results

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **45** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

**Results Key:**

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

**31 Robust adaptive control using single-hidden-layer feedforward neural networks**

*McFarland, M.B.; Rysdyk, R.T.; Calise, A.J.;*

American Control Conference, 1999. Proceedings of the 1999 , Volume: 6 , 2-4 June 1999

Pages:4178 - 4182 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(344KB\)\]](#) **IEEE CNF**

**32 Dynamic neural networks for output feedback control**

*Hovakimyan, N.; Rysdyk, R.; Calise, A.J.;*

Decision and Control, 1999. Proceedings of the 38th IEEE Conference on , Volume: 2 , 7-10 Dec. 1999

Pages:1685 - 1690 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(324KB\)\]](#) **IEEE CNF**

**33 Implementation of adaptive nonlinear control for flight test on an unmanned helicopter**

*Corban, J.E.; Calise, A.J.; Prasad, J.V.R.;*

Decision and Control, 1998. Proceedings of the 37th IEEE Conference on , Volume: 4 , 16-18 Dec. 1998

Pages:3641 - 3646 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(532KB\)\]](#) **IEEE CNF**

**34 Adaptive nonlinear control for tiltrotor aircraft**

*Rysdyk, R.T.; Calise, A.J.;*

Control Applications, 1998. Proceedings of the 1998 IEEE International Conference on , Volume: 2 , 1-4 Sept. 1998

Pages:980 - 984 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(344KB\)\]](#) **IEEE CNF**

**35 Experiments in robust control on a laboratory model of a six story building**

*Calise, A.J.; Craig, J.I.; Gong, G.;*

American Control Conference, 1998. Proceedings of the 1998 , Volume: 4 , 24-26 June 1998

Pages:2569 - 2573 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(396KB\)\]](#) [IEEE CNF](#)

---

**36 On-orbit model refinement for controller redesign**

*Whorton, M.S.; Calise, A.J.;*

Aerospace Conference, 1998. Proceedings., IEEE , Volume: 2 , 21-28 March 1998  
Pages:105 - 116 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(892KB\)\]](#) [IEEE CNF](#)

---

**37 Performance evaluation of robust controllers in earthquake structural dynamics problems with large hysteretic nonlinearities**

*Cheng-Chieh Hsu; Goodno, B.J.; Calise, A.J.; Craig, J.I.;*

American Control Conference, 1995. Proceedings of the , Volume: 3 , 21-23 June 1995  
Pages:1916 - 1920 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(464KB\)\]](#) [IEEE CNF](#)

---

**38 Robustness analysis for a neural network based adaptive control scheme**

*McFarland, M.B.; Calise, A.J.;*

American Control Conference, 1995. Proceedings of the , Volume: 3 , 21-23 June 1995  
Pages:2158 - 2162 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(356KB\)\]](#) [IEEE CNF](#)

---

**39 Neural networks in nonlinear aircraft flight control**

*Calise, A. J.;*

WESCON/95. Conference record. 'Microelectronics Communications Technology Producing Quality Products Mobile and Portable Power Emerging Technologies' , 7-9 Nov. 1995  
Pages:714

[\[Abstract\]](#) [\[PDF Full-Text \(472KB\)\]](#) [IEEE CNF](#)

---

**40 Building Sismic Response Attenuation Using Robust Control And Architectural Cladding**

*Hsu, C.C.; Calise, A.J.; Sweriduk, G.D.; Goodno, B.J.; Craig, J.I.;*

American Control Conference, 1994 , Volume: 1 , June 29-July 1, 1994  
Pages:1073 - 1077

[\[Abstract\]](#) [\[PDF Full-Text \(364KB\)\]](#) [IEEE CNF](#)

---

**41 Helicopter adaptive flight control using neural networks**

*Calise, A.J.; Kim, B.S.; Leitner, J.; Prasad, J.V.R.;*

Decision and Control, 1994., Proceedings of the 33rd IEEE Conference on , Volume: 4 , 14-16 Dec. 1994  
Pages:3336 - 3341 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(380KB\)\]](#) [IEEE CNF](#)

---

**42 Nonlinear Flight Control Using Neural Networks and Feedback Linearization**

*Byoung Soo Kim; Calise, A.J.; Kam, M.;*

Aerospace Control Systems, 1993. Proceedings. The First IEEE Regional Conference

on , May 25-27, 1993

Pages:176 - 181

[\[Abstract\]](#) [\[PDF Full-Text \(488KB\)\]](#) IEEE CNF

---

43 **Robust Fixed Order Dynamic Compensation: a Differential Game Approach**

*Swenduk, G.D.; Calise, A.J.;*

Aerospace Control Systems, 1993. Proceedings. The First IEEE Regional Conference on , May 25-27, 1993

Pages:458 - 462

[\[Abstract\]](#) [\[PDF Full-Text \(424KB\)\]](#) IEEE CNF

---

44 **Trajectory optimization and guidance law development for transatmospheric vehicles**

*Corban, J.E.; Calise, A.J.; Flandro, G.A.;*

Control and Applications, 1989. Proceedings. ICCON '89. IEEE International Conference on , April 3-6, 1989

Pages:460 - 465

[\[Abstract\]](#) [\[PDF Full-Text \(584KB\)\]](#) IEEE CNF

---

45 **Stabilization of uncertain systems by fixed order compensation**

*Calise, A.J.; Garofalo, F.; Glielmo, L.; Siciliano, B.;*

Decision and Control, 1988., Proceedings of the 27th IEEE Conference on , 7-9 Dec. 1988

Pages:1016 - 1017 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(128KB\)\]](#) IEEE CNF

---

[Prev](#) [1](#) [2](#) [3](#)

---

Welcome to IEEE Xplore<sup>®</sup>

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **45** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

Results Key:

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

16 **Adaptive output feedback control with input saturation**

*Bong-Jun Yang; Calise, A.J.; Craig, J.I.;*

American Control Conference, 2003. Proceedings of the 2003 , Volume: 2 , June 4-6, 2003

Pages:1572 - 1577

[Abstract] [PDF Full-Text (463KB)] IEEE CNF

17 **An adaptive observer design methodology for bounded nonlinear processes**

*Hovakimyan, N.; Calise, A.J.; Madyastha, V.K.;*

Decision and Control, 2002, Proceedings of the 41st IEEE Conference on , Volume: 4 , 10-13 Dec. 2002

Pages:4700 - 4705 vol.4

[Abstract] [PDF Full-Text (403KB)] IEEE CNF

18 **An adaptive output feedback control methodology for non-minimum phase systems**

*Hovakimyan, N.; Bong-Jun Yang; Calise, A.J.;*

Decision and Control, 2002, Proceedings of the 41st IEEE Conference on , Volume: 1 , 10-13 Dec. 2002

Pages:949 - 954 vol.1

[Abstract] [PDF Full-Text (409KB)] IEEE CNF

19 **Fighter aircraft at high angles of attack**

*Calise, A.J.; Johnson, M.; Shin, Y.;*

Circuits and Systems, 2002. MWSCAS-2002. The 2002 45th Midwest Symposium on , Volume: 2 , 4-7 Aug. 2002

Pages:144 - 147

[Abstract] [PDF Full-Text (304KB)] IEEE CNF

20 **Adaptive backstepping control for a class of nonlinear systems via multilayered neural networks**

*Sharma, M.; Calise, A.J.;*

American Control Conference, 2002. Proceedings of the 2002 , Volume: 4 , 8-10 May 2002

Pages:2683 - 2688 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(516KB\)\]](#) IEEE CNF

---

**21 Adaptive output feedback control of uncertain multi-input multi-output systems using single hidden layer neural networks**

*Hovakimyan, N.; Calise, A.J.;*

American Control Conference, 2002. Proceedings of the 2002 ,Volume: 2 , 8-10 May 2002

Pages:1555 - 1560 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(506KB\)\]](#) IEEE CNF

---

**22 Augmentation of an existing linear controller with an adaptive element**

*Calise, A.J.; Bong-Jun Yang; Craig, J.I.;*

American Control Conference, 2002. Proceedings of the 2002 ,Volume: 2 , 8-10 May 2002

Pages:1549 - 1554 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(573KB\)\]](#) IEEE CNF

---

**23 Adaptive guidance and control for autonomous launch vehicles**

*Johnson, E.N.; Calise, A.J.; Corban, J.E.;*

Aerospace Conference, 2001, IEEE Proceedings. ,Volume: 6 , 10-17 March 2001

Pages:2669 - 2682 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(1064KB\)\]](#) IEEE CNF

---

**24 A novel observer based adaptive output feedback approach for control of uncertain systems**

*Hovakimyan, N.; Nardi, F.; Calise, A.J.;*

American Control Conference, 2001. Proceedings of the 2001 ,Volume: 3 , 25-27 June 2001

Pages:2444 - 2449 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(384KB\)\]](#) IEEE CNF

---

**25 Decentralized control of large-scale systems using single hidden layer neural networks**

*Nardi, F.; Hovakimyan, N.; Calise, A.J.;*

American Control Conference, 2001. Proceedings of the 2001 ,Volume: 4 , 25-27 June 2001

Pages:3122 - 3127 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(376KB\)\]](#) IEEE CNF

---

**26 Intelligent aerodynamic/propulsion flight control for flight safety: a nonlinear adaptive approach**

*Idan, M.; Johnson, M.; Calise, A.J.; Kaneshige, J.;*

American Control Conference, 2001. Proceedings of the 2001 ,Volume: 4 , 25-27 June 2001

Pages:2918 - 2923 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(432KB\)\]](#) IEEE CNF

---

**27 Neural network adaptive control of systems with input saturation**

*Johnson, E.N.; Calise, A.J.;*

American Control Conference, 2001. Proceedings of the 2001 ,Volume: 5 , 25-27

June 2001  
Pages:3527 - 3532 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(448KB\)\]](#) IEEE CNF

---

**28 An SPR approach for adaptive output feedback control with neural networks**

*Calise, A.J.; Hovakimyan, N.; Idan, M.;*

Decision and Control, 2001. Proceedings of the 40th IEEE Conference on , Volume: 4 , 4-7 Dec. 2001

Pages:3134 - 3139 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(272KB\)\]](#) IEEE CNF

---

**29 Adaptive nonlinear controller synthesis and flight test evaluation on an unmanned helicopter**

*Prasad, J.V.R.; Calise, A.J.; Pei, Y.; Corban, J.E.;*

Control Applications, 1999. Proceedings of the 1999 IEEE International Conference on , Volume: 1 , 22-27 Aug. 1999

Pages:137 - 142 vol. 1

[\[Abstract\]](#) [\[PDF Full-Text \(432KB\)\]](#) IEEE CNF

---

**30 Robust adaptive nonlinear flight control applications using neural networks**

*Rysdyk, R.; Nardi, F.; Calise, A.J.;*

American Control Conference, 1999. Proceedings of the 1999 , Volume: 4 , 2-4 June 1999

Pages:2595 - 2599 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(404KB\)\]](#) IEEE CNF

---

[Prev](#) [1](#) [2](#) [3](#) [Next](#)

---

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **23** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

**Results Key:**

**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**1 Upper bounds for approximation of continuous-time dynamics using delayed outputs and feedforward neural networks**

*Lavretsky, E.; Hovakimyan, N.; Calise, A.J.;*

Automatic Control, IEEE Transactions on , Volume: 48 , Issue: 9 , Sept. 2003  
Pages:1606 - 1610

[\[Abstract\]](#)   [\[PDF Full-Text \(308KB\)\]](#)   IEEE JNL

**2 Adaptive output feedback control of uncertain nonlinear systems using single-hidden-layer neural networks**

*Hovakimyan, N.; Nardi, F.; Calise, A.; Nakwan Kim;*

Neural Networks, IEEE Transactions on , Volume: 13 , Issue: 6 , Nov. 2002  
Pages:1420 - 1431

[\[Abstract\]](#)   [\[PDF Full-Text \(738KB\)\]](#)   IEEE JNL

**3 A novel error observer-based adaptive output feedback approach for control of uncertain systems**

*Hovakimyan, N.; Nardi, F.; Calise, A.J.;*

Automatic Control, IEEE Transactions on , Volume: 47 , Issue: 8 , Aug. 2002  
Pages:1310 - 1314

[\[Abstract\]](#)   [\[PDF Full-Text \(292KB\)\]](#)   IEEE JNL

**4 A differential game approach to aerial refueling autopilot design**

*Stepanyan, V.; Lavrelsky, E.; Hovakimyan, N.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on , Volume: 5 , 9-12 Dec. 2003  
Pages:4920 - 4925

[\[Abstract\]](#)   [\[PDF Full-Text \(442KB\)\]](#)   IEEE CNF

**5 Adaptive output feedback control of nonlinear systems using neural networks**

*Calise, A.; Hovakimyan, N.; Hungu Lee;*

American Control Conference, 2000. Proceedings of the 2000 , Volume: 5 , 28-30 June 2000  
Pages:3153 - 3157 vol.5

[\[Abstract\]](#)   [\[PDF Full-Text \(376KB\)\]](#)   IEEE CNF

---

**6 Optimal pursuit-evasion paths in a game on complete cone**

*Hovakimyan, N.; Melikyan, A.;*

American Control Conference, 2000. Proceedings of the 2000 ,Volume: 6 , 28-30 June 2000

Pages:3865 - 3869 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(384KB\)\]](#) IEEE CNF

---

**7 On approximate NN realization of an unknown dynamic system from its input-output history**

*Hovakimyan, N.; Hungu Lee; Calise, A.;*

American Control Conference, 2000. Proceedings of the 2000 ,Volume: 2 , 28-30 June 2000

Pages:919 - 923 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(292KB\)\]](#) IEEE CNF

---

**8 Output feedback control of an uncertain system using an adaptive observer**

*Bong-Jun Yang; Hovakimyan, N.; Calise, A.J.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on ,Volume: 2 , Dec. 9-12, 2003

Pages:1705 - 1710

[\[Abstract\]](#) [\[PDF Full-Text \(431KB\)\]](#) IEEE CNF

---

**9 Decentralized adaptive output feedback control via input/output inversion**

*Hovakimyan, N.; Lavretsky, E.; Calise, A.J.; Sattigeri, R.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on ,Volume: 2 , Dec. 9-12, 2003

Pages:1699 - 1704

[\[Abstract\]](#) [\[PDF Full-Text \(413KB\)\]](#) IEEE CNF

---

**10 Dynamic programming approach to a minimum distance optimal control problem**

*Melikyan, A.; Hovakimyan, N.; Ikeda, Y.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on ,Volume: 1 , Dec. 9-12, 2003

Pages:239 - 244

[\[Abstract\]](#) [\[PDF Full-Text \(567KB\)\]](#) IEEE CNF

---

**11 An adaptive approach to control of distributed parameter systems**

*King, B.; Hovakimyan, N.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on ,Volume: 6 , Dec. 9-12, 2003

Pages:5715 - 5720

[\[Abstract\]](#) [\[PDF Full-Text \(460KB\)\]](#) IEEE CNF

---

**12 Passivity-based neural network adaptive output feedback control for nonlinear nonnegative dynamical systems**

*Hayakawa, T.; Haddad, W.M.; Bailey, J.M.; Hovakimyan, N.;*

Decision and Control, 2003. Proceedings. 42nd IEEE Conference on ,Volume:

6, Dec. 9-12, 2003

Pages: 5697 - 5702

[\[Abstract\]](#) [\[PDF Full-Text \(580KB\)\]](#) IEEE CNF

---

**13 Adaptive output feedback control with reduced sensitivity to sensor noise**

*Kutay, A.T.; Calise, A.J.; Hovakimyan, N.;*

American Control Conference, 2003. Proceedings of the 2003, Volume: 6, 4-6 June 2003

Pages: 5141 - 5146 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(458KB\)\]](#) IEEE CNF

---

**14 Adaptive extremum seeking control design**

*Lavretsky, E.; Hovakimyan, N.; Calise, A.;*

American Control Conference, 2003. Proceedings of the 2003, Volume: 1, 4-6 June 2003

Pages: 567 - 572 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(353KB\)\]](#) IEEE CNF

---

**15 Neural network adaptive control for nonlinear nonnegative dynamical systems**

*Hayakawa, T.; Haddad, W.M.; Hovakimyan, N.; Chellaboina, V.;*

American Control Conference, 2003. Proceedings of the 2003, Volume: 1, 4-6 June 2003

Pages: 561 - 566 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(571KB\)\]](#) IEEE CNF

---

[1](#) [2](#) [Next](#)

---

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **23** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

**Results Key:**

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

**16 Extending linear designs to nonlinear systems via adaptive architectures**

*Hovakimyan, N.; Calise, A.J.;*

American Control Conference, 2003. Proceedings of the 2003 , Volume: 1 , 4-6  
June 2003

Pages:555 - 560 vol.1

[Abstract] [PDF Full-Text (474KB)] IEEE CNF

**17 An adaptive observer design methodology for bounded nonlinear processes**

*Hovakimyan, N.; Calise, A.J.; Madyastha, V.K.;*

Decision and Control, 2002, Proceedings of the 41st IEEE Conference on , Volume: 4 , 10-13 Dec. 2002

Pages:4700 - 4705 vol.4

[Abstract] [PDF Full-Text (403KB)] IEEE CNF

**18 An adaptive output feedback control methodology for non-minimum phase systems**

*Hovakimyan, N.; Bong-Jun Yang; Calise, A.J.;*

Decision and Control, 2002, Proceedings of the 41st IEEE Conference on , Volume: 1 , 10-13 Dec. 2002

Pages:949 - 954 vol.1

[Abstract] [PDF Full-Text (409KB)] IEEE CNF

**19 Adaptive output feedback control of uncertain multi-input multi-output systems using single hidden layer neural networks**

*Hovakimyan, N.; Calise, A.J.;*

American Control Conference, 2002. Proceedings of the 2002 , Volume: 2 , 8-10  
May 2002

Pages:1555 - 1560 vol.2

[Abstract] [PDF Full-Text (506KB)] IEEE CNF

**20 A novel observer based adaptive output feedback approach for control of uncertain systems**

*Hovakimyan, N.; Nardi, F.; Calise, A.J.;*

American Control Conference, 2001. Proceedings of the 2001 , Volume: 3 , 25-27

June 2001  
Pages:2444 - 2449 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(384KB\)\]](#) IEEE CNF

---

**21 Decentralized control of large-scale systems using single hidden layer neural networks**

*Nardi, F.; Hovakimyan, N.; Calise, A.J.;*

American Control Conference, 2001. Proceedings of the 2001 ,Volume: 4 , 25-27 June 2001

Pages:3122 - 3127 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(376KB\)\]](#) IEEE CNF

---

**22 An SPR approach for adaptive output feedback control with neural networks**

*Calise, A.J.; Hovakimyan, N.; Idan, M.;*

Decision and Control, 2001. Proceedings of the 40th IEEE Conference on ,Volume: 4 , 4-7 Dec. 2001

Pages:3134 - 3139 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(272KB\)\]](#) IEEE CNF

---

**23 Dynamic neural networks for output feedback control**

*Hovakimyan, N.; Rysdyk, R.; Calise, A.J.;*

Decision and Control, 1999. Proceedings of the 38th IEEE Conference on ,Volume: 2 , 7-10 Dec. 1999

Pages:1685 - 1690 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(324KB\)\]](#) IEEE CNF

---

[Prev](#) [1](#) [2](#)

---

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **6** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

**Results Key:**

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

**1 Estimation of Rodrigues parameters from vector observations**

*Idan, M.;*

Aerospace and Electronic Systems, IEEE Transactions on , Volume: 32 , Issue: 2 , April 1996

Pages:578 - 586

[Abstract] [PDF Full-Text (808KB)] IEEE JNL

**2 Three-dimensional minimum energy guidance**

*Guelman, M.; Idan, M.; Golan, O.M.;*

Aerospace and Electronic Systems, IEEE Transactions on , Volume: 31 , Issue: 2 , April 1995

Pages:835 - 841

[Abstract] [PDF Full-Text (520KB)] IEEE JNL

**3 Adaptive neural control of deep-space formation flying**

*Gurfil, P.; Idan, M.; Kasdin, N.J.;*

American Control Conference, 2002. Proceedings of the 2002 , Volume: 4 , 8-10 May 2002

Pages:2842 - 2847 vol.4

[Abstract] [PDF Full-Text (585KB)] IEEE CNF

**4 Intelligent aerodynamic/propulsion flight control for flight safety: a nonlinear adaptive approach**

*Idan, M.; Johnson, M.; Calise, A.J.; Kaneshige, J.;*

American Control Conference, 2001. Proceedings of the 2001 , Volume: 4 , 25-27 June 2001

Pages:2918 - 2923 vol.4

[Abstract] [PDF Full-Text (432KB)] IEEE CNF

**5 An SPR approach for adaptive output feedback control with neural networks**

*Calise, A.J.; Hovakimyan, N.; Idan, M.;*

Decision and Control, 2001. Proceedings of the 40th IEEE Conference on , Volume: 4 , 4-7 Dec. 2001

Pages:3134 - 3139 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(272KB\)\]](#) IEEE CNF

---

**6  $H/\sqrt{2} / H/\sqrt{1+\infty}$  Filtering: Theory and an Aerospace Application**

*Rotstein, H.; Sznajder, M.; Idan, M.;*

American Control Conference, 1994 , Volume: 2 , June 29 - July 1, 1994

Pages:1791 - 1795

[\[Abstract\]](#) [\[PDF Full-Text \(340KB\)\]](#) IEEE CNF

---

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [O](#)  
[Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to](#)

Copyright © 2004 IEEE — All rights reserved

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Print Format

Your search matched **300** of **1043368** documents.  
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.

adaptive <near/2> control<and>feedback<and>neur

☐ Check to search within this result set

Results Key:

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **Estimation and neurocontrol in the presence of feedback**

*Darlington, P.;*

Artificial Neural Networks, 1991., Second International Conference on , 18-20 Nov 1991

Pages:300 - 303

[\[Abstract\]](#) [\[PDF Full-Text \(228 KB\)\]](#) **IEE CNF**

2 **A self-tuning immune feedback controller for controlling mechanical systems**

*Takahashi, K.; Yamada, T.;*

Advanced Intelligent Mechatronics '97., IEEE/ASME International Conference on , 16-20 June 1997

Pages:101

[\[Abstract\]](#) [\[PDF Full-Text \(76 KB\)\]](#) **IEEE CNF**

3 **Adaptive neural network control of nonlinear systems by state and output feedback**

*Ge, S.S.; Hang, C.C.; Tao Zhang;*

Systems, Man and Cybernetics, Part B, IEEE Transactions on , Volume: 29 , Issue: 6 , Dec. 1999

Pages:818 - 828

[\[Abstract\]](#) [\[PDF Full-Text \(632 KB\)\]](#) **IEEE JNL**

4 **Stabilizing control of a high-order generator model by adaptive feedback linearization**

*Fregene, K.; Kennedy, D.;*

Energy Conversion, IEEE Transactions on , Volume: 18 , Issue: 1 , March 2003

Pages:149 - 156

[\[Abstract\]](#) [\[PDF Full-Text \(572 KB\)\]](#) **IEEE JNL**

**5 Control of unknown nonlinear systems using output feedback**

*Kosmatopoulos, E.B.;*

Decision and Control, 1998. Proceedings of the 37th IEEE Conference on , Volume: 2 , 16-18 Dec. 1998

Pages:1464 - 1469 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(420 KB\)\]](#) IEEE CNF

---

**6 Feedback linearization of unknown nonlinear systems using neural networks-an application to motor control**

*Teixeira, E.; Loparo, K.; Gomide, F.;*

Industrial Electronics, Control, and Instrumentation, 1993. Proceedings of the IECON '93., International Conference on , 15-19 Nov. 1993

Pages:182 - 187 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(352 KB\)\]](#) IEEE CNF

---

**7 Neural-network control of nonaffine nonlinear system with zero dynamics by state and output feedback**

*Ge, S.S.; Jin Zhang;*

Neural Networks, IEEE Transactions on , Volume: 14 , Issue: 4 , July 2003

Pages:900 - 918

[\[Abstract\]](#) [\[PDF Full-Text \(1583 KB\)\]](#) IEEE JNL

---

**8 Adaptive energy feedback control for resonant converters using neural networks**

*Quero, J.M.; Carrasco, J.M.; Franquelo, L.G.;*

Power Electronics Specialists Conference, 1992. PESC '92 Record., 23rd Annual IEEE , 29 June-3 July 1992

Pages:800 - 806 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(304 KB\)\]](#) IEEE CNF

---

**9 Model reference neurocontrollers based on feedback linearization**

*Hassibi, K.M.; Loparo, K.A.;*

Neural Networks, 1991. 1991 IEEE International Joint Conference on , 18-21 Nov. 1991

Pages:1813 - 1818 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(292 KB\)\]](#) IEEE CNF

---

**10 Feedback-error-learning for controlling a flexible link**

*de Almeida Neto, A.; Rios Neto, W.; Goes, L.C.S.; Nascimento, C.L., Jr.;*

Neural Networks, 2000. Proceedings. Sixth Brazilian Symposium on , 22-25 Nov. 2000

Pages:273 - 278

[\[Abstract\]](#) [\[PDF Full-Text \(380 KB\)\]](#) IEEE CNF

---

**11 Implementation of stable adaptive neural networks for feedback linearization**

*Hai-Won Yang; Dong-Hun Kim;*

Industrial Electronics, 1997. ISIE '97., Proceedings of the IEEE International Symposium on , 7-11 July 1997

Pages:1195 - 1200 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) IEEE CNF

---

**12 Control of a high-order power system by neural adaptive feedback linearization**

*Fregene, K.; Kennedy, D.;*

Intelligent Control/Intelligent Systems and Semiotics, 1999. Proceedings of the 1999 IEEE International Symposium on , 15-17 Sept. 1999

Pages:34 - 39

[\[Abstract\]](#) [\[PDF Full-Text \(484 KB\)\]](#) IEEE CNF

---

**13 Static vs. adaptive feedback congestion controller for ATM networks**

*Yao-Ching Liu; Douligeris, C.;*

Global Telecommunications Conference, 1995. GLOBECOM '95., IEEE , Volume: 1 , 13-17 Nov. 1995

Pages:291 - 295 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(619 KB\)\]](#) IEEE CNF

---

**14 Learning control for a closed loop system using feedback-error-learning**

*Gomi, H.; Kawato, M.;*

Decision and Control, 1990., Proceedings of the 29th IEEE Conference on , 5-7 Dec. 1990

Pages:3289 - 3294 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(552 KB\)\]](#) IEEE CNF

---

**15 Output feedback control of nonlinear systems using RBF neural networks**

*Seshagiri, S.; Khalil, H.K.;*

Neural Networks, IEEE Transactions on , Volume: 11 , Issue: 1 , Jan. 2000

Pages:69 - 79

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) IEEE JNL

---

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [Next](#)

---

Welcome to IEEE Xplore<sup>®</sup>

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

 Print Format

Your search matched **66** of **1043368** documents.  
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

**Refine This Search:**

You may refine your search by editing the current search expression or entering a new one in the text box.

☐ Check to search within this result set

**Results Key:**

**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**1 Recurrent networks for nonlinear adaptive control**

*Brdys, M.A.; Kulawski, G.J.; Quevedo, J.;*

Control Theory and Applications, IEE Proceedings- , Volume: 145 , Issue: 2 , March 1998

Pages:177 - 188

[\[Abstract\]](#)   [\[PDF Full-Text \(1180 KB\)\]](#)   **IEE JNL**

**2 Adaptive inverse control based on linear and nonlinear adaptive filtering**

*Widrow, B.; Plett, G.L.;*

Neural Networks for Identification, Control, Robotics, and Signal/Image Processing, 1996. Proceedings., International Workshop on , 21-23 Aug. 1996

Pages:30 - 38

[\[Abstract\]](#)   [\[PDF Full-Text \(360 KB\)\]](#)   **IEEE CNF**

**3 Adaptive control of non-linear plants using neural networks-application to a flux control in AC drive system**

*Kulawski, G.J.; Brdys, M.A.;*

Control, 1994. Control '94. Volume 2., International Conference on , 21-24 Mar 1994

Pages:1472 - 1477 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(296 KB\)\]](#)   **IEE CNF**

**4 Adaptive control of a class of nonlinear discrete-time systems using neural networks**

*Fu-Chuang Chen; Khalil, H.K.;*

Automatic Control, IEEE Transactions on , Volume: 40 , Issue: 5 , May 1995

Pages:791 - 801

[\[Abstract\]](#)   [\[PDF Full-Text \(880 KB\)\]](#)   **IEEE JNL**

**5 Nonlinear control with linearised models and neural networks**

*Hussain, M.A.; Allwright, J.C.; Kershenbaum, L.S.;*  
Artificial Neural Networks, 1995., Fourth International Conference on , 26-28 Jun 1995  
Pages:279 - 283

[\[Abstract\]](#) [\[PDF Full-Text \(256 KB\)\]](#) [IEEE CNF](#)

---

**6 Fully parallel on-chip learning hardware neural network for real-time control**

*Liu, J.; Brooke, M.;*  
Circuits and Systems, 1999. ISCAS '99. Proceedings of the 1999 IEEE International Symposium on , Volume: 5 , 30 May-2 June 1999  
Pages:371 - 374 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(408 KB\)\]](#) [IEEE CNF](#)

---

**7 A fully parallel learning neural network chip for real-time control**

*Jin Liu; Brooke, M.;*  
Neural Networks, 1999. IJCNN '99. International Joint Conference on , Volume: 4 , 10-16 July 1999  
Pages:2323 - 2328 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(520 KB\)\]](#) [IEEE CNF](#)

---

**8 Adaptive inverse control**

*Widrow, B.; Bilello, M.;*  
Intelligent Control, 1993., Proceedings of the 1993 IEEE International Symposium on , 25-27 Aug. 1993  
Pages:1 - 6

[\[Abstract\]](#) [\[PDF Full-Text \(340 KB\)\]](#) [IEEE CNF](#)

---

**9 Remarks on an adaptive type self-tuning controller using neural networks**

*Yamada, T.; Yabuta, T.; Takahashi, K.;*  
Industrial Electronics, Control and Instrumentation, 1991. Proceedings. IECON '91., 1991 International Conference on , 28 Oct.-1 Nov. 1991  
Pages:1389 - 1394 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) [IEEE CNF](#)

---

**10 Estimation and neurocontrol in the presence of feedback**

*Darlington, P.;*  
Artificial Neural Networks, 1991., Second International Conference on , 18-20 Nov 1991  
Pages:300 - 303

[\[Abstract\]](#) [\[PDF Full-Text \(228 KB\)\]](#) [IEEE CNF](#)

---

**11 Output feedback control of nonlinear systems using RBF neural networks**

*Seshagiri, S.; Khalil, H.K.;*  
American Control Conference, 1999. Proceedings of the 1999 , Volume: 4 , 2-4 June 1999  
Pages:2808 - 2812 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) [IEEE CNF](#)

---

**12 Implementation of stable adaptive neural networks for feedback linearization**

*Hai-Won Yang; Dong-Hun Kim;*

Industrial Electronics, 1997. ISIE '97., Proceedings of the IEEE International Symposium on , 7-11 July 1997

Pages:1195 - 1200 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) [IEEE CNF](#)

---

**13 Adaptive control of a class of nonlinear systems using neural networks**

*Fu-Chuang Chen; Khalil, H.K.;*

Decision and Control, 1995., Proceedings of the 34th IEEE Conference on , Volume: 3 , 13-15 Dec. 1995

Pages:2427 - 2432 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) [IEEE CNF](#)

---

**14 Robust adaptive control of unknown plants using recurrent high order neural networks-application to mechanical systems**

*Rovithakis, G.A.; Kosmatopoulos, E.B.; Christodoulou, M.A.;*

Systems, Man and Cybernetics, 1993. 'Systems Engineering in the Service of Humans', Conference Proceedings., International Conference on , 17-20 Oct. 1993

Pages:57 - 62 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(360 KB\)\]](#) [IEEE CNF](#)

---

**15 A dead-zone approach in nonlinear adaptive control using neural networks**

*Fu-Chuang Chen;*

Decision and Control, 1991., Proceedings of the 30th IEEE Conference on , 11-13 Dec. 1991

Pages:156 - 161 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(372 KB\)\]](#) [IEEE CNF](#)

---

[1](#) [2](#) [3](#) [4](#) [5](#) [Next](#)

---